

A Birth-thru-3rd Grade Education Continuum: Setting the Stage

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Governor's Symposium: College and Career Readiness Begins at Birth
Naperville, IL
April 10, 2014

Goals for this morning

- *Establish Common Ground*
 - Research behind both opportunities and challenges
 - Conceptual framing
- *Introduce a Frame to think about Birth-thru-3rd Grade Education Continuum*
 - Thoughts about change
 - Highlight progress in Illinois

Source: Kauerz, K. (10 April 2014).
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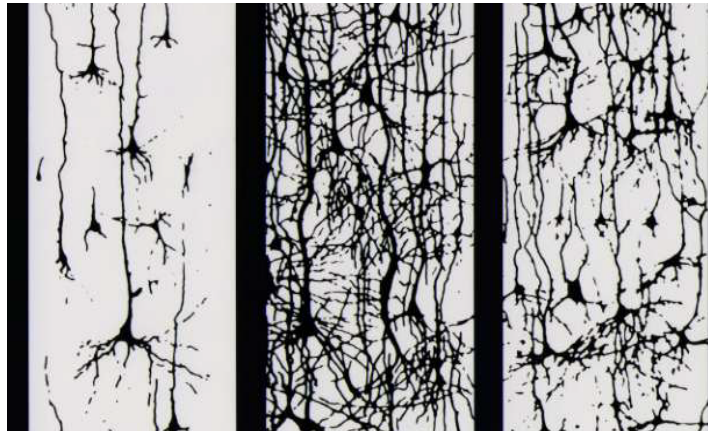
What Research Tells Us

- Neuroscience and Brain Development
- Disadvantage and Disparities throughout Childhood

Brain Development

Source: Kauerz, K. (10 April 2014).
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Experience Shapes Brain Architecture



Birth

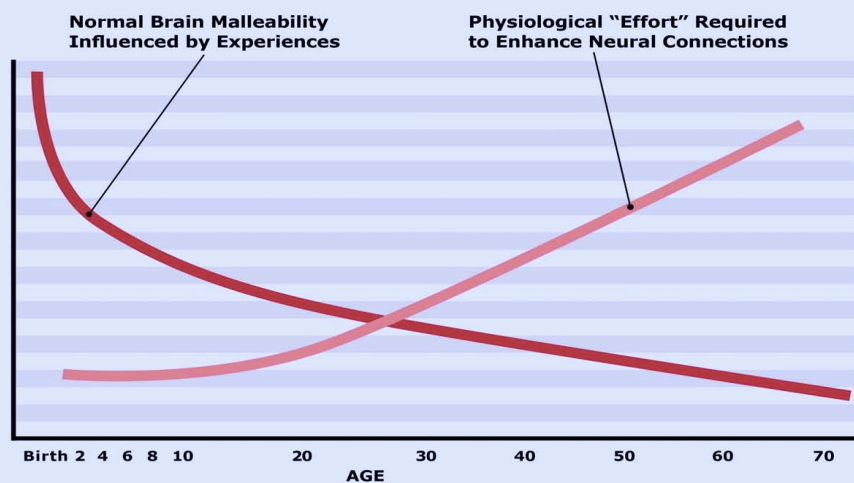
6 yrs.

14 yrs.

Source:
Center on the
Developing
Child, Harvard
University

Image Source:
Conel, JL

Ability to Change Brains and Behaviors Decreases Over Time

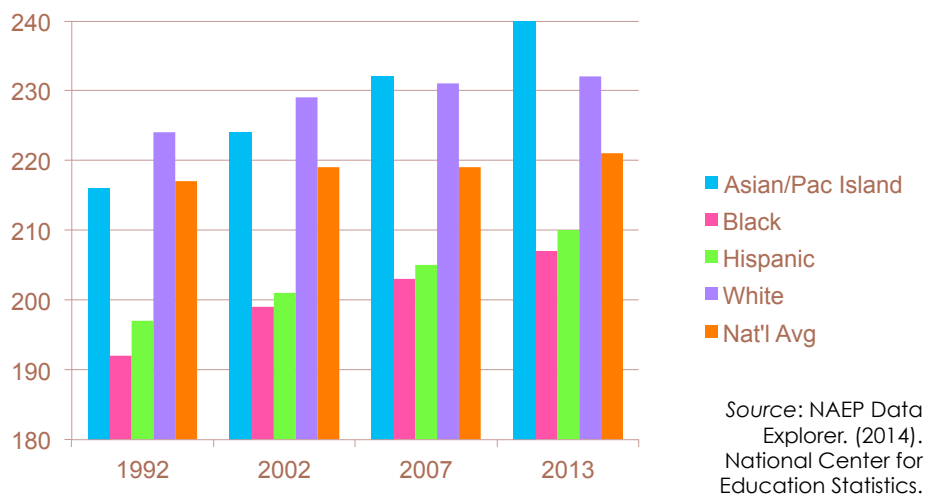


Source: Center on the Developing Child, Harvard University

Source: Kauerz, K. (10 April 2014).
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Disadvantage and Disparities

Average Nat'l NAEP Reading scores Grade 4 by Race/Ethnicity

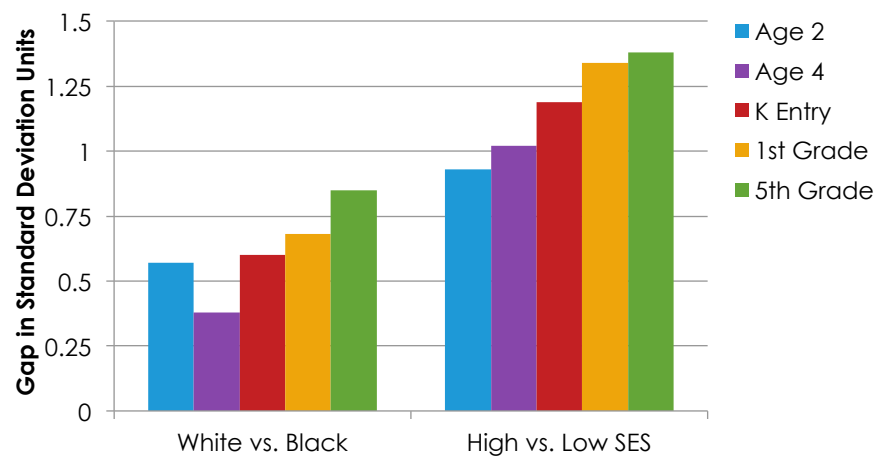


Source: Kauerz, K. (10 April 2014).
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But Achievement Gaps Start Much Earlier



Growth of Achievement Gaps As Children Age

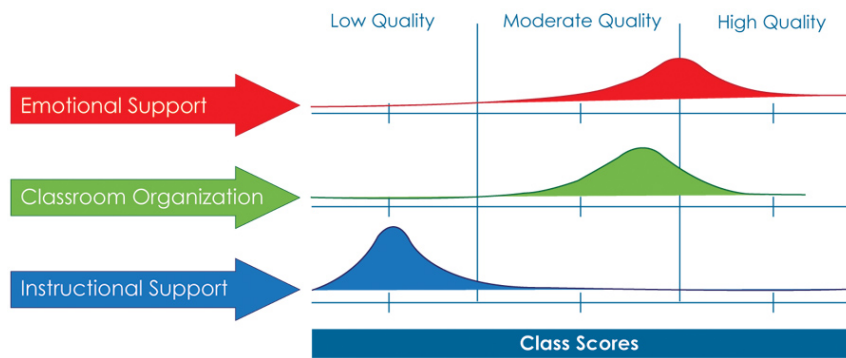


Source: Snyder (2010) and Duncan & Magnuson (2011).

Source: Kauerz, K. (10 April 2014).
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Overall Lack of Quality Instruction, PreK-3rd Grade

Average Ratings of Interactions in Pre-K - 3rd Classrooms



Source: Center for Advanced Study of Teaching and Learning. (2013).

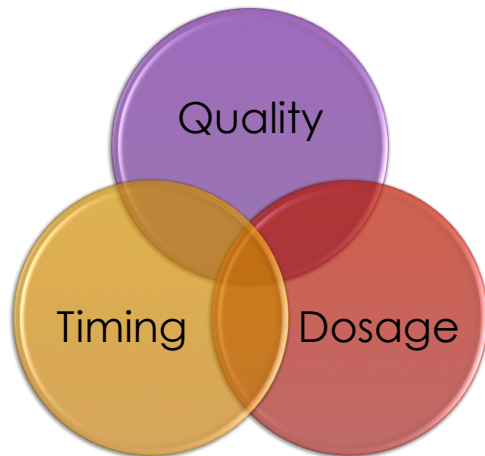
We Know What To Do

Source: Kauerz, K. (10 April 2014).
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Research Behind P-3

- Timing
 - When intervention starts
- Quality
 - Intentional instructional component
 - Focus on social-emotional
- Dosage
 - Day-to-day basis (e.g., half-day vs. full-day)
 - Cumulative, over time (e.g., attendance; year-to-year)

These don't act independently.



P-3 Essentials

The P
Part

High quality learning opportunities pre-school ("P") help children be ready for school.

FDK

High quality Full-Day Kindergarten is a transition year for all children.

Grades
1-3

High quality early grades sustain the gains and lay the foundation for later learning.

Changing Our Paradigm

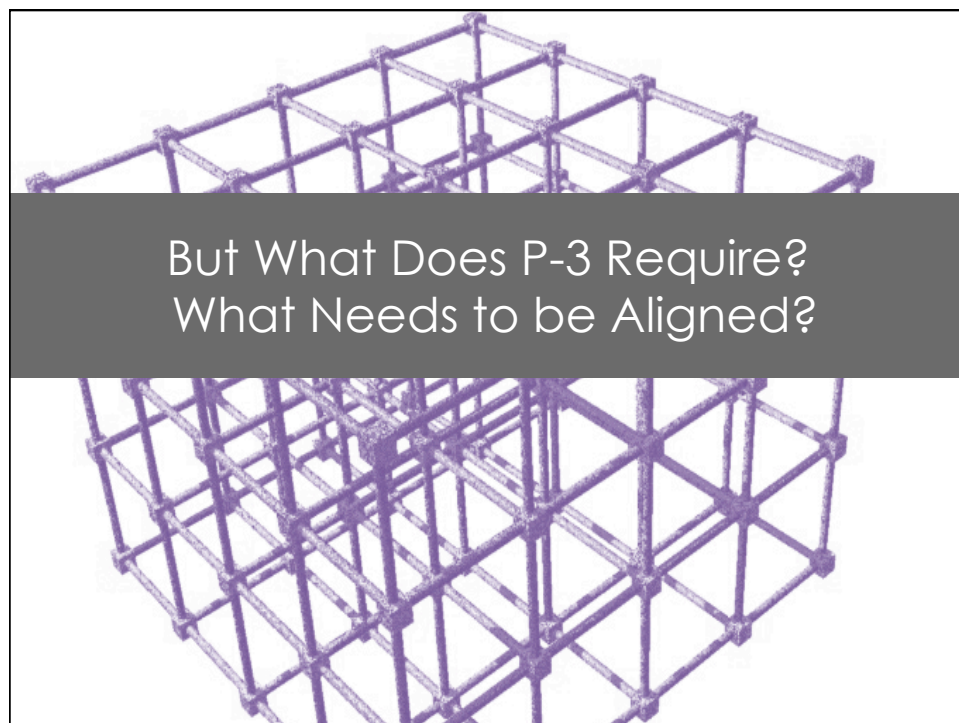
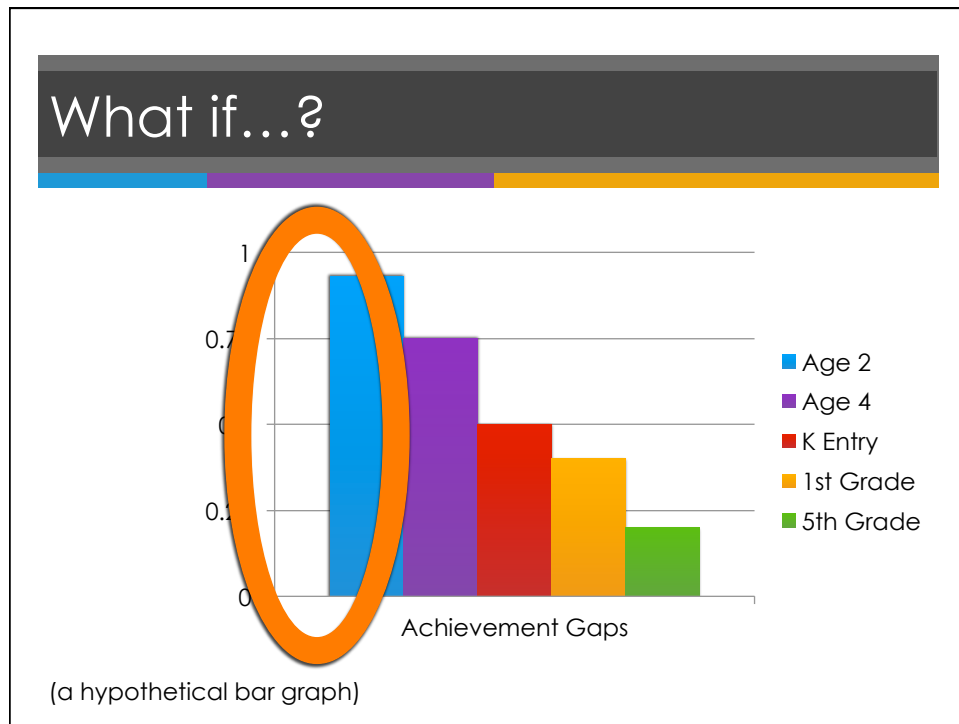
Blocks



Pop-Beads



Source: Kauerz, K. (10 April 2014).
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Cross-Sector Work



Governance



Strategic plans



Funding

Administrator Effectiveness



Exhibit visible leadership



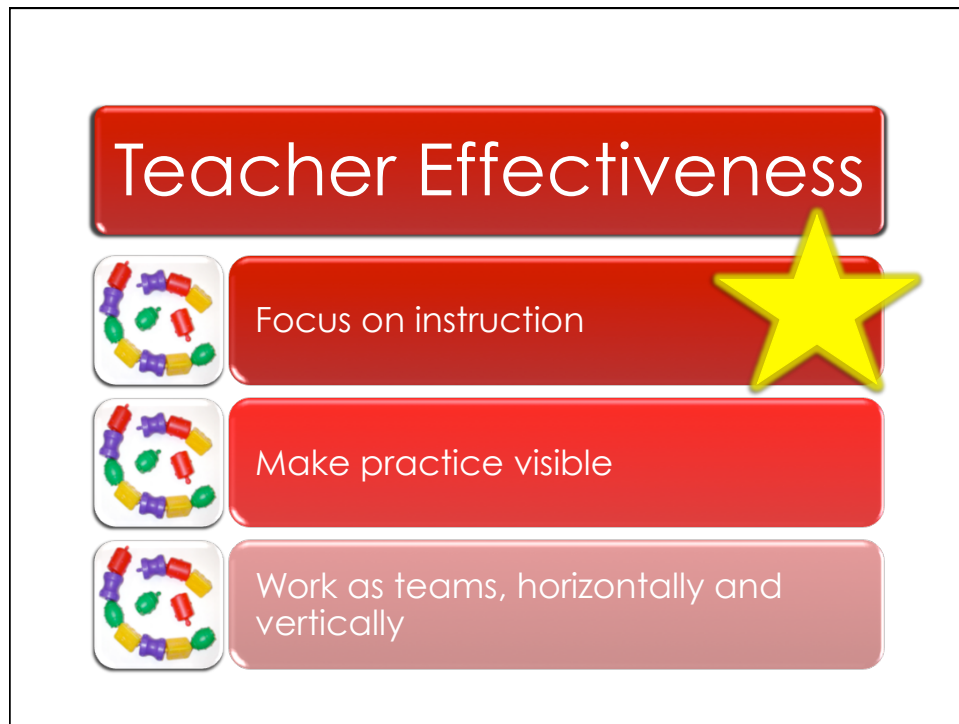
Foster teamwork



Provide instructional leadership



Source: Kauerz, K. (10 April 2014).
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Learning Environment



Culturally inclusive



Promotes relationships



Equipped to support diverse learners

Data-driven Improvement



Child-based data used to identify and focus on achievement gaps



Other data markers used to identify targets and to re-align resources

Engaged Families



Priority for all school- and program-based staff



Two-way communication



Shared leadership and decision-making

Continuity and Pathways

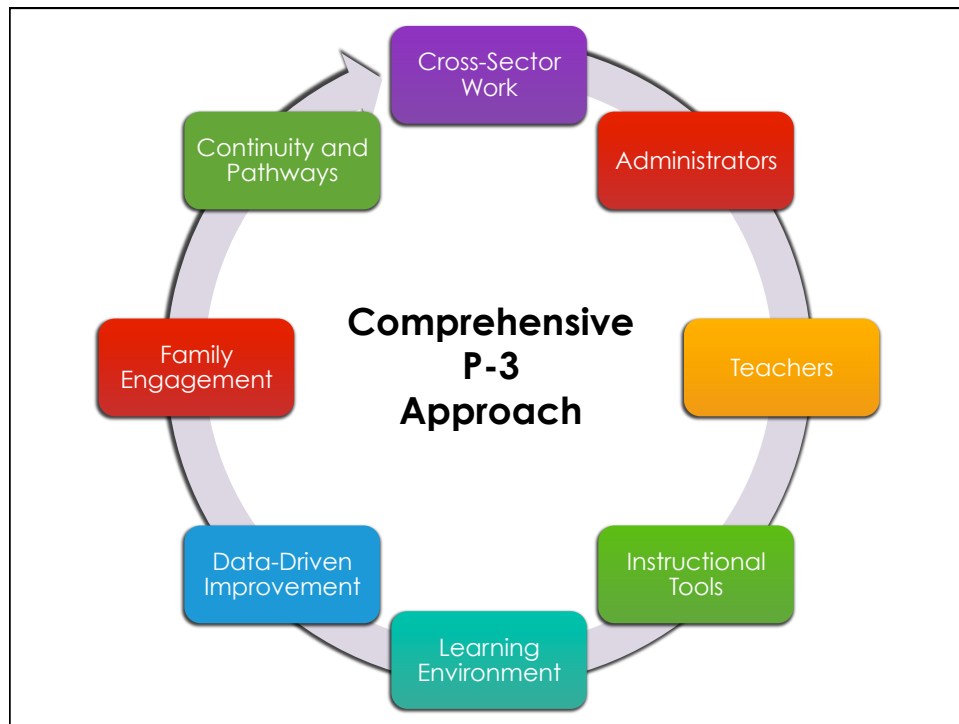


Expanded and extended access



Focus on the continuum provided to each child

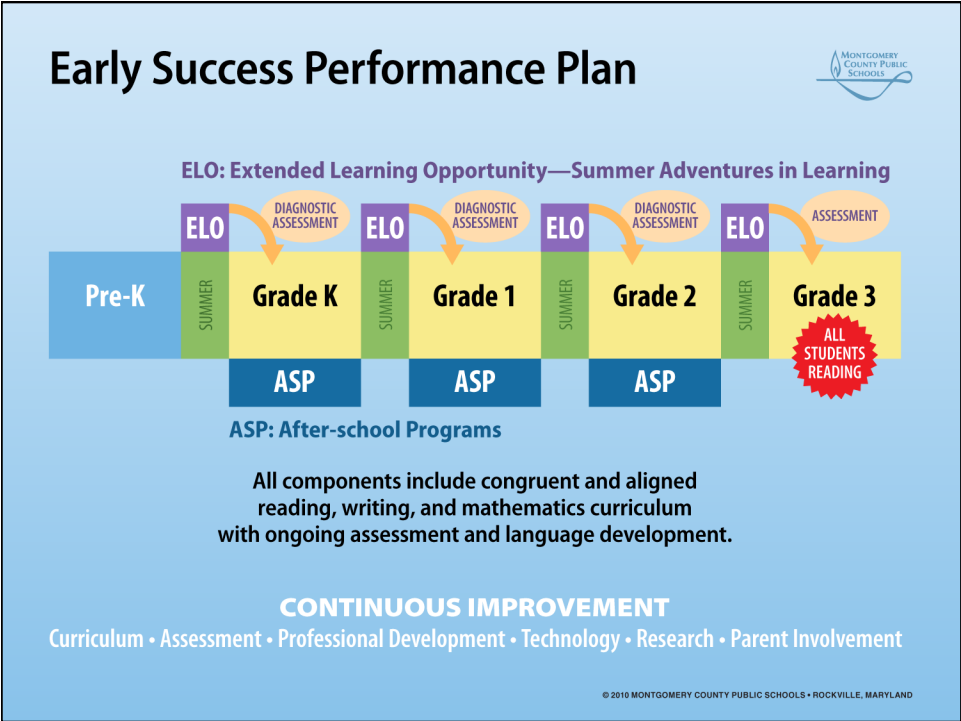
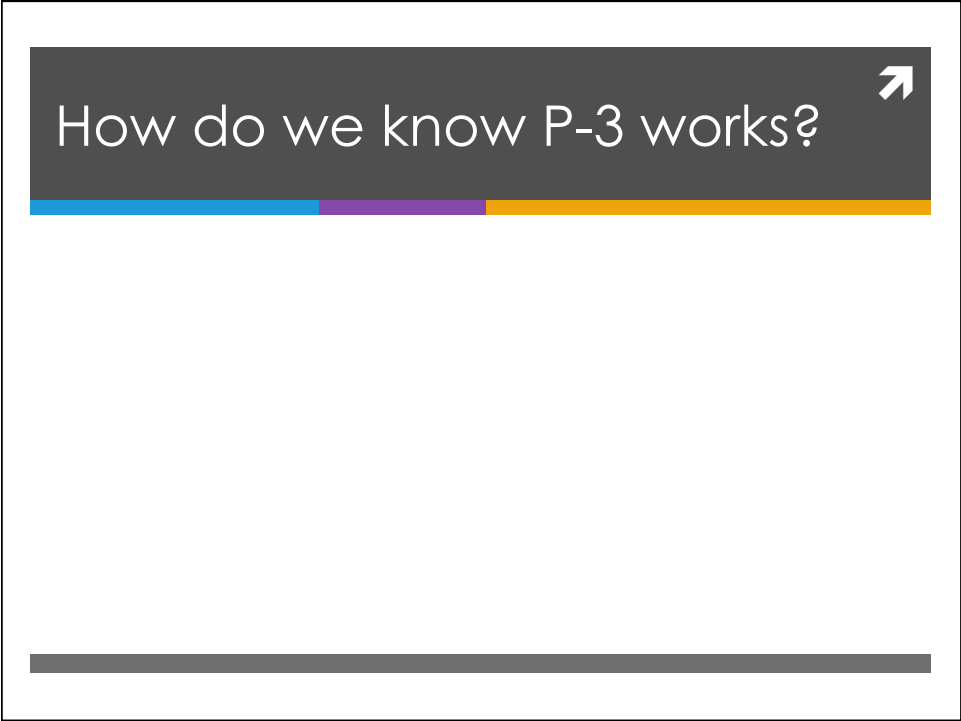




Other Progress in Illinois

- New teacher licensure system with proposed Birth-thru-Grade-2 endorsement
- Comprehensive system of credentials for staff in early learning/development programs
- New QRIS (ExceleRate Illinois) for Head Start, child care, and school-based preschool
- Center for School Improvement

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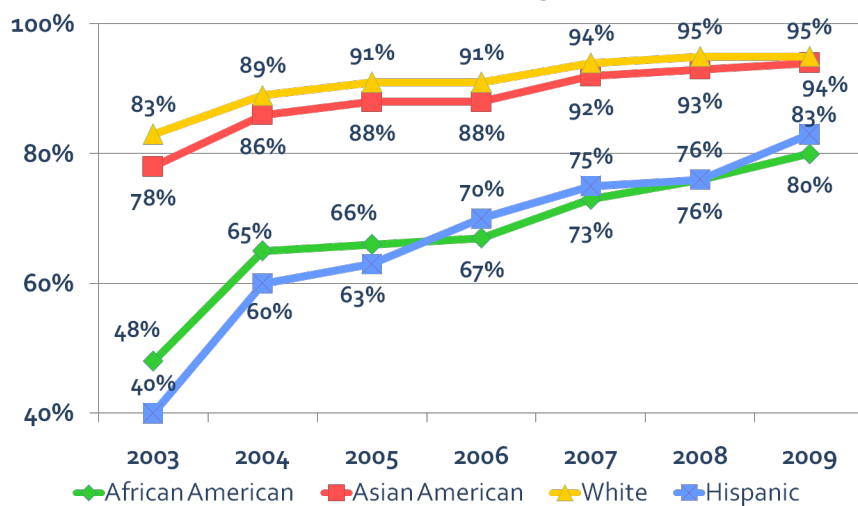


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Grade 3 Reading Maryland State Assessment

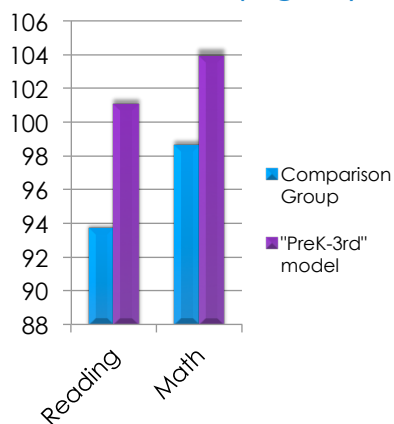
PERCENT PROFICIENT OR HIGHER

Gap Shrinks 29 Percentage Points

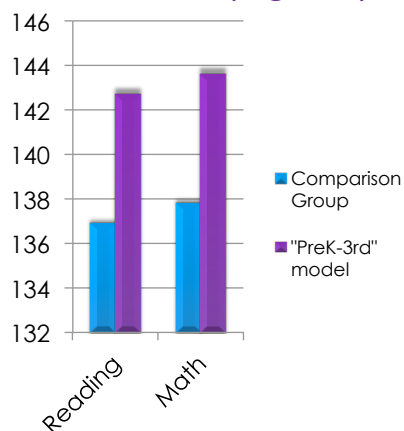


CPC Achievement Scores

3rd Grade (Age 9)



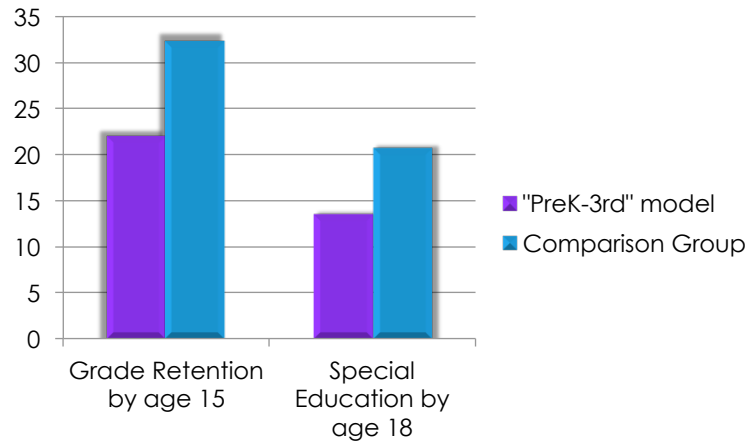
7th Grade (Age 13)



Reynolds, A. J., & Temple, J. A. (1998). Extended early childhood intervention and school achievement: Age 13 findings from the Chicago Longitudinal Study. *Child Development*, 69, 231-246.

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CPC – Other K-12 Outcomes



Reynolds, A. J., Temple, J. A., White, B. A. B., Ou, S.-R., & Robertson, D. L. (2011). Age 26 cost-benefit analysis of the Child-Parent Center Early Education program. *Child Development*, 82(1), 379-404.

Wrap-Up and Closing Thoughts



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What it will take...

- Navigating the different galaxies of 0-5 and K-12 (L. Wing)
 - Create shared vocabulary
 - Create shared leadership
- Push-up/Push-down and Push-In/Push-out
- Focus on implementation, including support to local school districts and communities



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National P-3 Listserv

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